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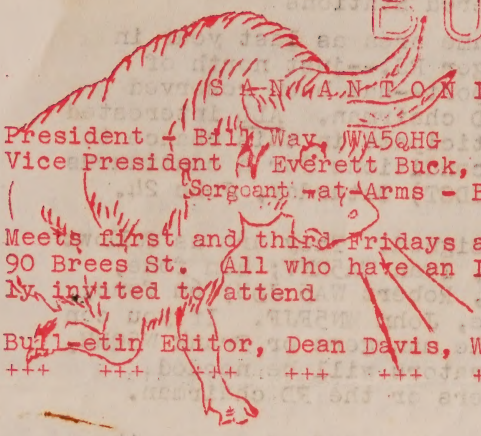
BULL-ETIN



S A N A N T O N I O R A D I O C L U B

President - Bill Way, WA5QHG — Secretary - Bill Ross, K5LLK
Vice President - Everett Buck, W5SJP — Treasurer - Frank Box, WA5VFM
Sergeant-at-Arms - Brenda and Linda Trappe

Meets first and third Fridays at 7:30 p.m. at the Red Cross building 90 Brees St. All who have an INTEREST in amateur radio are cordially invited to attend

Bull-etin Editor, Dean Davis, W5BGE — Typist, Maybelle Davis, XYL

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"By the Way" by WA5QHG

Your President wishes to remind you to make plans RIGHT NOW for FIELD DAY, June 25-26 Northeast Preserve:

CQ Field Day

(Detailed info - Page 2)

See you there--Bill Way WA5QHG

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SCM REPORT: According to ARRL Annual Report for year ending 12/31/71 there were 1256 active affiliated clubs on mailing list, 75 of which had 100% ARRL membership. During the year, 105 clubs became affiliated, 1 club disbanded and 142 clubs were placed on inactive list for failure to return questionnaires and 8 because they no longer met basic affiliation requirements, while 26 previously inactive clubs were returned to active list. These figures indicate the average club is just barely existing. At meeting of SCMs and SECs in Euless one of the common problems that each League official present had to contend with was APATHY among membership and affiliated clubs within his section. The formula for curing this disease is not new but has been known for many years. It takes WORK with dedication and determination These efforts pay dividends as exemplified by the San Antonio Radio Club, which boasts of 150 active members, San Antonio Repeater Organization and Austin ARC, which is on upswing with increased membership and activity. I know some of the other clubs within the section may feel slighted but these were most noticeable. If your club has deteriorated to the point where you are just holding social get-togethers now and then, it is doomed, unless someone picks up the ball and gets something going in the way of programs, public-service projects, (see your EC--if you haven't got one, get one!) & new members (especially newly licensed amateurs). These new amateurs are most eager to serve. They are our future replacements. I will furnish each club with listing of newly licensed amateurs in your areas, but membership committees will have to do the rest. O yes, it takes money to run a club! How do you get it? More members, more money! July is next meeting of ARRL Board of Directors. Your Division Director needs your viewpoints to take with him! 73-H.Lee Ulrey K5HZR,SCM,S.Tex.Section ARRL.

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FLOOD SURVEY: On Sunday, May 7 a request from Red Cross to open W5SC for 2m FM communications for purpose of surveying needs of areas in SA underwater, was handled by Ivan WA5RNV. Among mobiles assisting were WA5PJE, WAØLKD, W5PEK, W5QMU, W5WEU, and W5QB. Survey lasted some 4½ hours.

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FLASH: On Saturday, May 6, Gladys Way, xyl of BillWA5QHG (SARC prez) entered Methodist Hospital for major surgery. She is doing well and expects to leave the hospital about the 16th. Get well FAST, Gladys!

F I E L D D A Y -- J U N E 2 4 - 2 5, '7 2

Annual Test for Emergency-Powered Stations

FIELD DAY IS JUST AROUND THE CORNER--The same area as last year in the Northeast Preserve, on Jones-Maltzburger Rd.--just north of Blossom Stadium, which is north of the airport--has been reserved again this year. Frank Gerwitz W5QMH is FD chairman. ALL interested amateurs in the SA area are invited to participate in this chance to utilize amateur equipment under emergency conditions for a continuous 24 hours. FD will begin at 1800Z (1 p.m. CDST) Saturday, June 24.

Managers of the various sites have been assigned. They are as follows: 20m CW, QCWA; 40m CW, Mike WB5FUS; 75m fone, Ivan WA5RNV; 40m fone, Bill WA5QHG; 20m fone, Ray W5HBI; 15m fone, Robert WA5 JDJ; 6m fone, Greg WA5UAM; 2m fone, Bob W5PKK, and Novice, John WN5FJF. If you can help with any of these stations, contact the managers or Frank W5QMH, 734 5598. For a 24 hr. operation MANY operators will be needed: PLAN NOW to help by contacting these managers or the FD chairman.

The Red Cross will set up their field equipment and feed us--as they did last year and the year before. At least 2 barrels of beer and also soda water will be available.

Each phone and each CW segment is considered as a separate band. A station may be worked once on each band. Cross-band contacts are not allowed. The use of more than one transmitter at the same time in a single band is prohibited, except that a novice position may operate on any novice band segment at any time. Stations making contact, in order to count their contact as valid, must exchange ARRL section, see page 6 in any QST) and signal report.

Operators participating in the FD may not, from any other station, contact for point credit the FD portable station of a group with which they participated. This is intended to outlaw any kind of manufactured contacts. Any Class A group whose entry classification is three or more transmitters may also use one novice operating position, (to be set up and operated only by novice class licensees) without changing their basic entry classifications. The novice position must use a novice call sign and must keep their own logs and check sheets. The novice position QSO total may be added to the group QSO total before multiplier.

Scoring is based on the number of valid contacts times the multiplier corresponding to the highest power used at any time during the FD period, plus bonus points. If all contacts are made using a dc input power of 10 watts or less and if a power source other than commercial mains or motor-driven generator is used (e.g. batteries, solar cells, water-driven generators, etc.,) multiply by 3. If any or all contacts are made using a dc input power of 200 watts or less, multiply by 2. Multiply by 1 if any or all contacts are made using a dc power over 200 watts up to 1000 watts. Over 1000 watts, multiply by ZERO! Power on ssb phone is considered to be half the peak emvelope power.

The following bonus points may be added to the score (after the multiplier is applied) to determine the final score. (1) 100 points for 100% emergency power, per transmitter classification. (2) 50 points for public relations. (3) 50 points for message origination, addressed to the SCM or SEC, stating the name of club, number of operators, field location and number of AREC members participating. This message must be transmitted during the operating period. (4) 5 points for each message received and relayed during the FD period, up to a maximum of 50 points.

Make plans now for your FD operation and let your committee know what you would like to do!

As an added feature this year a SWAP FEST is being planned in conjunction with the FD. Bring your goodies which you wish to sell or swap. An area will be set aside for this display. Bring card table to display on, or you can show them from the back of your car. If there is enough interest shown, this will become an annual event.

73, Frank W5QMH, FD Chairman.

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SPLATTER! SAers seen at 7290 picnic, Bastrop State Park, April 29, were Otto WA5UYE, Laura WN5FFP, Emma and Lee K5HZR, Hazel and Roy W5EYB, Jerry W5KLV, Don WA5ZDU, and Maybelle and Dean W5BGE,..... Dave W5AIB needs a pair of 4D32s....Mark Erb WN5GBW is now WB5GBW...

TECHNICAL TOPICS

By W5LFM Cal Graf

Our Editor has graciously asked me to write a column for the SARC Bull-etin, so from time to time I hope to have a technical topic of interest to our readers. I plan to cover many topics and would appreciate hearing from anyone regarding a comment or observation they might have.

It is in this vein that I arrive at my topic for this month. Two all around DXers have made comments to me regarding how they have worked the DX bible--"DX--Be ye doers of the word and not hearers only," are Len Parsons W5GR (formerly W5LGG), and Pat Patterson W5VY (formerly W5EHM).

Len Parsons has been calmly attacking the DX problem since 1946 when he first went on the air from San Antonio as W5LGG. The ionosphere has been ringing loud and long with that call as Len knocked off one DX station after another. Soon he was among those at the top of the heap being one of the top 20 or so in the US in number of countries worked and confirmed. Len has almost always had the same kind of gear as he climbed up the DX ladder--a KW on CW (and SSB, if that's the way he had to hook them!), a tri-band beam on a 60 ft. tilt-over tower, and locations in San Antonio within less than 5 miles of each other. Sometimes he had good take-off angles in all directions and sometimes his antenna looked into the side of a hill. But Len worked DX and the trophies fell at his feet. He's zap out one or two calls to the DX station in a pile-up and they usually came back to him. And lots of times he beat out the California KWs and hooked the DX first. He worked DX like he knew what he was doing!

In 1965, W5LGG and company, and family, and ham equipment moved to Amarillo, 500 miles to the northwest by north of the location from which he had operated solid for over ten years. Len put up the same tri-bander antenna on the same tower, fed with the same coax from the same transmitter, and energized the ionosphere with the same call. Len had the same DX zest, 20 years of experience pouncing on the DX stations (5khz down, pse) and a beautiful, clear horizon in all directions (what we've all wanted; no trees in sight, so plant some quick, Marie), but "wha' hoppon?" Can't that DX station hear him calling? Doesn't he remember ole W5LGG? Why, he had to call three times before he hooked him. Same DX call that all DX stations know (W5LGG), same modus operandi (call once, sign once), same rig, only 500 miles difference, altitude 3000 ft. vs. 600 ft. Why don't they hear me like they used to? I still hear them well. It's not the sunspot cycle, I've considered that.

So now W5GR (ex-W5LGG) ponders the vastness of west Texas, and wonders if the wide open spaces are really good for DX. He's had seven years to reflect on the fact that though he's much wiser now in the art of chasing and catching DX, he works much harder for each new country.

One might come to the general conclusion, that, all things being equal and with about 20 years worth of data to back up the conclusion, more DX can be worked from the San Antonio area than from the north Texas area. Should Len next move to Browmsville in far south Texas to gather data for five years to show that all around DX working favors the southern locations? Or would Len's data show that San Antonio is really the place from which to work DX, after all (and he wouldn't have to drive 500 miles to go to the Starving Artists' show at Easter time.)

Len's current holdings for all bands are 340 countries worked and confirmed, and 317 countries with deletions.

Coming soon--the findings of Pat Patterson, W5VY, and how he compares with his DX competition.

It's good to be back with the SARC.

Regards, Cal Graf W5LFM.

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SPLATTER! Ivan WA5RNV sez that his little woman knows who wears the pants in the family--she even tells him which pair to wear!.....

LOCAL AMATEUR HEADLINED

S N A K E B I T E T R E A T I N G H A I L E D

(Editor'a Note: The following article written by Doris Wright appeared in the April 27 issue of the San Antonio Light, which concerns a member of both SARC and SARO — Dr. Tom Glass WA5ULP. Many of you will remember his vivid presentation of slides and professional remarks pertaining to snakebite treatment at a SARC club meeting at Civil Defense building.)

A treatment for snakebites developed by Dr. Tom Glass over the past 18 years is proving successful at the Bexar County Hospital.

Dr. Arvin Short, a resident at the hospital, said the treatment is simple but results are great.

The procedure is to cut open the area of the bite (a fasciotomy) and administer the victim high doses of steroids, drugs used to treat inflamations.

No effort is made to drain the venom from the victim, but a certain amount seeps out of the open cut. After four to five days, the would is sewed up.

Short said that Glass had treated 78 such cases successfully.

A part of the procedure is to cut the fascia, which is the thin covering of the muscle.

"The essential purpose of this type of treatment is to save crippling deformity and save lives. The steroids are needed to combat total body effects. The fasciotomy is to minimize local tissue destruction." Short said.

Glass has received several awards for his method. He was cited by the American College of Surgeons in Atlantic City, the Texas Medical Association in Houston and for an exhibit in North Carolina.

Short warned that the "snake season" is here and will continue through August or September. He advised wearing hip length boots when one goes where there are likely to be snakes.

If one is bitten, keep the patient still to keep the venom from spreading. Use an ice pack on the afflicted area. This can be done by wrapping ice in a towel, he said.

"Immersing the arm or leg in ice water should be condemned," he warned. "The venom is still there."

He warned, too, that snakes are plentiful in San Antonio, not just in outlying areas, but in the city itself.

"This treatment is not first aid. It should be done in a hospital by a doctor," he said of the fasciotomy.

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HERE ARE ADDITIONAL SARC MEMBERS FOR THE ROSTER APPEARING IN THE NOVEMBER, JANUARY, AND MARCH ISSUES OF BULL-ETIN FOR YOUR INFO:

BROTHERMAN,	John,	K5BZZ	3730 Briarhill	78218	655	1148
BRYSON,	L. M.	WN5FRX	4814 West Ave.	78218	653	5477
FRITZ,	Mike		5131 Village Ct.	78218	655	1185
GRAb,	Calvin	W5LFM	207 Zornia	78213	344	5032
HAYS,	Ned	WA5ZMY	624 Alto Ave.	78209	822	9373
JORDAN,	Mike		1427 Greer	78210	532	7919
McGRAW,	James	W5QB	1316 Giant Circle		655	5369
MEYER,	Herb	WB5CAI	134 Milford Dr.	78213	344	5865
NELSON,	David		5th Army Band, Ft. Sam Ho.	78234	221	4026
WALSTON,	William	W5GZJ	1626 Fabulous Dr.	78216	341	5212
WHITWORTH,	Sidney	K5UBP	25610 Broad Oak Trail	78228	698	2789
WILKERSON,	Allen	W5UPO	3821 Highcliff Dr.	78218	653	5477
YANTIS,	J.B.	K5RV	146 E. Sunshine	78228	732	2973
(New Address)						
BALUSEK,	Robert	K5OZF	8606 Windway	78239	653	0869

The San Antonio Radio Club has 153 paid members as of May 5, 1972!!!!

By W5JKU

As we look around us in our everyday life we are finding that it is becoming more electronic. This is so in the field of music when we say "organ". A) Is it a pipe organ with anywhere from a few hundred pipes to 40,000, ranging from 64 feet long to, say, a half foot with an assorted toy counter of bells, drums, piano, etc? (The pipes producing the basic organ sound to the orchestral imitations --diapasion, flute, reed, and string.) B) Is it a set of reeds, or reeds in a soundproof enclosure with an electrostatic pickup and electronically amplified? Or is it the sound of the "pop Hammond" many of us call an electronic organ with its rotating tone wheels, sensed by magnetic pickups with its inherent tone flutter and its key clicks? C) Is it the pure electronic organ with a hundred or so oscillators, or just 12 with tone dividers, or a baby digital computer with a pattern of its timbers stored in its memory, (waveforms to make it sound as it does)? D) Or is it a Moog synthesizer? We throw this in as it is capable of imitating sounds from a cat to an organ, or Al Hert's trumpet.

Electronically it is possible to produce the electrical waveform of almost any sound, but to reproduce it as sound the problem. A 16 ft. wooden organ pipe has maybe 1,400 square inches of vibrating surface, a 12 inch loudspeaker has only 78 square inches. How many 12 inch speakers would you need? Some electronic organ installations in the $50,000-plus class have approached it with a hundred or so loud speakers. Let's agree (at least for this article) that an electronic organ produces its waveforms purely electronically and is reproduced by loudspeakers, and that it is a musical instrument in its own right. (If a pipe can try to imitate an orchestral instrument, why can't an electronic organ imitate a pipe organ? We also mean two manuals, and at least thirteen pedals with no gadgits to increase the price--but not the organ sound.

In order to imitate a musical instrument electronically we must produce the proper timber, (over tone combinations) and envelope (attack and decay). Excluding the digital computer we can produce these overtones in three different ways. The first is by using a group of sine voltages harmonically related and with controlled phases adding them together with the proper amplitudes. This synthesis system would require a large group of phase-locked oscillators also, to produce key sines without clicks. This is a problem. The Hammond mechanical system maintains this phase lock and uses this system. I don't know of a purely electronic organ to use it.

The second is to use an oscillator for each note and distort & filter to achieve the proper timber. The third is to use twelve oscillators for the highest notes and use flip-flops (or blocking oscillators) to divide the frequency, then filter. The stock and trade waveforms are sine, saw, square & house top saw. The saw and the square are the most popular. The saw has a frequency spectrum of all harmonies in decreasing amplitudes. The square has no even harmonics. If these waveforms have a very short rise or fall time, we will have a harmonic spectrum exceeding audible frequencies. Most musical instruments do not have a uniformally decreasing spectrum amplitude. Instead, because of natural resonances certain harmonics are emphasized more than others. This is called the forment. For example, low pass filtering a saw is the organ flute (almost sine), not so hard filtering is the dipasion (more second). A square wave for reeds, emphasizing the high frequencies, produces a buzzy sound for strings.

I saw a resonant filter around 1,000 cps produce sounds of a trumpet, around 500 cps of a trombone. With proper forment and envelope form bells, chimes, harpsicord, zylophone, and even piano is produced.

In closing we would like to say that just over the horizon is the digital organ with only 22 IC designed by a scientist for an IC manufacturer for use in organ in commercial manufacturing. For those who are interested--Sams and Tab Books give descriptions and circuits of commercial organs. "The Electronic Musical Instrument Manual", "An Electronic Organ for the Home Constructor", "Frequency Divider Organs for the Constructor", "Transistor Electronic Organs for the Amateur", By Douglas & Astley, Pittman London are in the public library. In Britain there is an Amateur Organ Society, and from the books it seems they even wind their own transformers and coils. Remember the old days of Ham Radio??

73. Floyd W5JKU.

S H R I N E R S N O B I L I T Y N E T

By W5ZPJ

A new net has been formed--its name is SHRINERS NOBILITY NET. It meets each Sunday evening at 5 p.m. CST on the Delta Net frequency of 3.905 Khz.

Net control is shared by Buck W5NGV in Austin and Lance WB5FNA in Houston. Purpose of the net is to provide communications between children in two Shrine Hospitals and their parents. Several stations in Houston handle the Crippled Children's Hospital traffic and Texas City and Galveston stations handle the Galveston Burn Center traffic.

This is a directed net and after a short call-up net control runs thru an alphabetical hometown listing of children in the hospitals. Stations on frequency who can help then call in and arrangements are made to move off with a Houston or Galveston station.

Coverage area is Texas, Oklahoma, Mississippi, Louisiana, New Mexico, Arkansas and part of Mexico. Some stations QSY to 40 meters to complete the traffic. The net is open to all amateurs. Help a Crippled Child. . . .Check 3,905 Khz each Sunday at 5 p.m.

73, C. L. "Pinky" Roberts, W5ZPJ.

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S A R C H A M H E L P S S A V E A L I F E

Raul G. Martinez, a maintenance mechanic in the Facility and Equipment Engineering Branch, Maintenance, is probably alive today because of the ability of two of his fellow workers to act in an emergency. Albert Trappe WA5IAD, and Jose I. Olivares, both of the Electronics Division, came to the aid of Martinez when he was overcome by paint fumes while working in a paint booth spray in Bldg. 308. Olivares, who worked himself through a crowd to reach Martinez, immediately began to apply arm-to-chest resuscitation. When it appeared that Martinez was no longer breathing, Trappe, who is a Red Cross first aid instructor, suggested that Olivares switch to mouth-to-mouth resuscitation. The switch was made and Trappe and Olivares rotated in the application of this treatment until an ambulance arrived. By this time Martinez began to breathe and to regain his normal color and pulse. Martinez was later reported in satisfactory condition at a local hospital, Olivares and Trappe are being recommended for the command civilian Award for Valor. (From the Kelly News Letter.)

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QUARTER CENTURY WIRELESS ASSOCIATION

The S.A. Chapter of the QCWA held its quarterly meeting in April at the home of Frank WA5VFM, chairman of the group. Among those attending were: Jerry W5ABQ, Les W5BE, Frank W5EDX, Gene W5EJT, Roy W5EYB, Dean W5BGE, Dan W5DUI, Army W5FA, Otto W5FFA, Howell W5FKR, Jimmy W5JC, Floyd W5JKU, Doc W5KJ, Cal W5LFN, John W5LPO, James W5QB, Frank W5VFM and Kay W5YOQ. The chapter agreed to again sponsor the 20 meter CW section on Field Day with SARC.

Les Essington W5BE was presented the QCWA Golden Anniversary Award to its distinguished member to commemorate 50 years of service as licensed radio amateur. It was disclosed Les first got on the air in 1913 with a Ford spark coil--had to quit during the war--back on in 1919, working station 9SI with a ¼k acme spark with rotary gap. In 1921, he was issued the call of 9BED, using a UV202 in a Hartley circuit on 200 meters, running 5 watts and working both coasts. In 1922 he was the first station east of California to be heard in New Zealand on 200 meters. Les came to Texas in 1928 and was assigned the call of W5BE--using a pair of 47s on 40 m. Now has on the air Collins, Drake, and Hallicrafters gear on HF. He is also very active on 2m FM. His tri-bander is on a 99 ft. tower, also a 80m center-fed zep is used on all HF bands. The local chapter was proud to present such an award to this dedicated amateur.

The SA Chapter now has more than 50 members covering the surrounding area--even down in the Valley, also one in Australia!

Any amateur in the SA area who has 25 or more years as a licensed amateur is invited to join--call John Shean W5LPO, 696-1879.

73. Dean W5BGE.

SAN ANTONIO REPEATER ORGANIZATION REPORT

By WB5DFQ

The second quarterly meeting of the SARO was held at Greentree Village recreation room on 15 April, 1972. Progress reports were presented on:

REHABILITATION: Repeater Transmitters have been relocated one floor below their former location, providing a cleaner, cooler and more accessible facility. '94 Transmitter down time has been reduced through repair of its antenna. System intermodulation has been eliminated through installation of "Notch" crystals in the '22 and '34 receivers. Possible receiver desense is being studied.

ENGINEERING COMMITTEE ACTIONS: Homer Driesslein K5MEN was appointed to steer committee action to produce specifications for conversion to "Touchtone" control. Specifications are in preparation to convert the 34/94 system to selective tone access. This will permit closing the repeater during periods of random keying or indiscriminate use. Robert A. Wigton WA5WON was appointed to study the feasibility of converting the 22/82 system to continuous subaudibile tone access. Bill FeatherstonWA5PJE will steer committee action in preparing specifications for the 3rd generation system, converting to all solid-state devices. Loren Stroup W5WEU will steer committee action to upgrade the present system and its components.

MANAGEMENT ACTIONS: D. B. Olson W5PEK, chairman, Bylaws Committee, listed several areas of the Constitution and Bylaws which were under study. These deal with membership eligibility., quorum, voting, and committee structure. He will present written recommendations to the membership for action at the next general meeting. WA5VKZ, the 2m repeater station, must be relicensed prior to August, 1972. Homer P. Driesslein K5MEN was announced as the new trustee. Relicensing will also involve a revision of the control structure.

73. David Woodruff WB5DFQ
President of SARO.

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SOUTH TEXAS EMERGENCY NET CONVENTION

You are invited to attend the 1972 STEN Convention June 9-10-11, in Victoria, Texas at the Totah's Motor Hotel, 2½ miles N.E. on U.S. 59 2911 Houston Highway, 77901. Special hotel rates are: DBL $9, sngl $7, lg.single $7.50. Pre-registration by June 1 is $6.50 (after June 1, $7.) Friday night the hospitality room will be open. Sat. morning there will be a formal program, ladies activity at 12:30, transmitter hunt in afternoon, B-B-Q in the evening. Sunday--business meeting, banquet, drawing for donation prize (Swan 270B), and door prize. To register, or for further info call or write Jerry Connaway W5KLV, 110 Rosemont Drive, San Antonio, Texas, 78228, ph. 733 0653.

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F O R S A L E

Drake 2NT, $90, w/20 xtals, w/40-15 ant. John WN5FJF, 111 Howerton, 534 0956 or 533 8951, 111 Howerton.
DX60B, 1 no. old, $75, Mark WB5GBW, 342 8417.
HW22, W/AC-DC pw. sup. Louis Jeannet, 333 3785. (Estate K5MD3).
Prop pitch motor, $25, Gene W5EJT, 342 2225.
NC173 s/speaker, good cond. $70, Dave W5AIB, 735 1174.
Hallicrafter SR400 xceiver, AC pw. sup., ext. VFO, 400 w PEP, 80 thru 10, notch filter, noise blanker, CW filter. Best offer. Call first. Frank W5QMH, 734 5598.

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S P L A T T E R ! Larry W5QMU was taking a first phone exam at the FCC exam May 4, and when they started sending CW for the extra exam he automatically started copying on his exam paper and found that 20 CW was no problem at all--except the examiner took a dim view of this scribbling on the first phone exam! Larry noted that also taking exams were Wally WB5DTH, Chuck WB5SWI, and Walt WB5FNZ..... From OFF RESONANCE: Bob Rodiguez K5AUW is a new resident in the Valley. He now calls the city of Palms, McAllen, his home. Bob brought his own repeater and plans to have it in operation from his home at 510 Fir Ave. in a few weeks. It will operate only when he is there to see that all goes well. Bob is an X-ray equipment technician. He finds the Valley somewhat confusing. Seems that in his native SA, he could tell who is who, but down there even the gringos speak Spanish (this was after his encounter with K5MSQ and W5KR in Brownsville.). de W5BGE

ARRL ARRL ARRL NEWS FROM THE DIRECTOR ARRL ARRL ARRL

Upon my recommendation, ARRL President Harry Dannals has appointed JACK GANT, W5GM, to the position of VICE DIRECTOR, West Gulf Division, to complete the unexpired term of Leon Vice.

A successful business man, Jack is well known, and has an impressive list of qualifications including: League member since mid-thirties; operates both fone and CW, all bands; holds Extra Class amateur, 1st Class Fone: 2d Class Telegraph; and Private Pilots licenses. He is General Chairman of Hamarama, and is a QCWA member.

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Lift off of the OSCAR satellite, scheduled for July, with 2 meter input - 10 meter out, has been delayed. Launch will probably be rescheduled for fall. I'll keep you informed.

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OTHO LINDSEY, W5FR, informs me they have a newly formed amateur radio club at NASA, with approximately 135 members, and will apply for League affiliation in the near future.

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In addition to my other assignments I have been appointed by ARRL President Dannals to be Board Liaison to the VHF Advisory Committee.

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We're getting into QST! Assistant Director-JACK MASON, W5NSQ, is author of the comprehensive article in May, QST, on the subject of a National Plan for 2-meter Channels. This plan may well become nationally adopted. Now I have word that QST has accepted an article entitled "An Active Converter for 1296 Mhz" by LARKIN CRUTCHER, WA5WOW. Although young in years, Larkin is very knowledgeable on the subject of VHF. Now we shouldn't be surprised to see another fine article by San Antonio's own CAL GRAF before long.

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One of San Antonio's long-time greats in amateur radio, JIMMIE RIVES, W5JC, has again become active on the amateur bands. Jim is starting slowly - a barefoot transceiver and vertical antenna. But watch out! Those of us who remember the booming signal from that big rig and tall, tall pole in years gone by doubt that W5JC will long be satisfied with low power, despite the advantage of SSB. Incidentally, Jim has just renewed his ARRL membership. Welcome back Jim.

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Our representative on the ARRL Contest Advisory Committee, BILL PARRY, K5TSR, has been very busy in the discussions over the hassle about Sweepstakes Rules, originating because the Mad River, or some such named recently formed club, ran up the winning score, which was promptly challenged by the traditional winners Murphys Marauders. The hassle was so heated it now seems likely the Committee may recommend the Board adopt some rules changes to avoid recurrence of such situations that cause controversy (if such thing is possible). Bill is drafting an outline of ideas on the subject.

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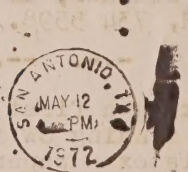
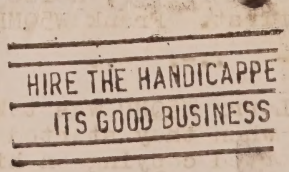
COMING EVENTS:

May	14,	Army MARS, Tex State meeting, Tropicana Hotel, San Antonio.
May	20,	Old Timers Night, Houston Amateur Radio Club
June	9,	STEN Convention, Totah's Motor Hotel, Victoria.
June	24,	FIELD DAY. Northwest Preserve, San Antonio.
Aug	12,	Texas VHF-FM Society Convention. Villa Capri, Austin.
Aug	4,	Oklahoma State Army MARS meeting, National Guard Armory, Oklahoma City.

73, ROY L. ALBRIGHT, W5EYB, DIRECTOR





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